

Dr. Charles L. Dunham, Director
Division of Biology and Medicine
United States Atomic Energy Commission
Washington, D. C.

Dear Dr. Dunham:

As requested by Dr. Boss in our telephone conversation of November 2, we are forwarding to you for your immediate use copies of the radiation readings as compiled at Rongelap Atoll on November 7, 1955.

A CONTROL OF THE PARTY OF THE

Our field party returned home Saturday evening November 12. They accomplished all the various phases of their mission, and all commented on the wonderful support received from the Resident Engineer and his staff, Holmes and Narver, and the Task Group support facilities at Eniwetok and Kwajalein.

We very much appreciate the part of the Division of Biology and Medicine in organizing these support facilities for us.

We are all busy with analyses for the summary report of the 1,486 samples of soil, plants and animals collected by our staff during October and November. We are still hoping to have the report in your hands by December 15.

Sincerely yours,

Lauren R. Donaldson
Director

LRD:mc Encl. cc: Dr. W.R. Boss

Mr. Kenneth Englund

File Folder = NMBZ

TLY LOG

# VERSITY OF WASHINGTON Applied Fisheries Laboratory SEATTLE, WASHINGTON

1/4

Loglin	MER- RONG	ELAP I LABAREDJ I	• Date	Nov	. 7, 1 <u>95</u> 5		<del></del>
Domana and	Bonham	Lowman	Weather				
		Seymour					<del></del>
Bonham	bg : Pro and Lowna	e below: all reading 	ser: W Fish 11-	-2-55			
		eymour with Duggar an					
		In PBM (612) from Fr					
as pilo	t. Flyi	ng time to Rongelap 2	hours 7 mi	ins; wi	nds at 33	knots fro	m
ENE mos	t of way	; landed off Rongelap	Island, pu	it ashor	e in life	raft; as	hor
at 12:0	5; surv	eyed with Beckman MX5	, (1) the v	village	area; (2)	the path	
to a di	stance of	f 800 yards south of	village, (3	3) path	leading fr	om lagoor	1
		f Island. Returned t					
ashore	Labaredj	(life raft) at 1445.	Surveyed	(1) lan	ding area	(2) beac	<u>:h</u>
to mid	island o	n lagoon side, (3) th	en cross I	sland to	ocean sic	ie, (4).	
		ip of Island, (5) cod					nar
		grove, (7) the area w					
		llow stake on Island,					
Returne	d to PBM	$\sim$ 1600. Landed at	Fred at 18	10. L-2	0 met plan	ne and	
landed	us at El	mer at 1820.					
Me	eter read	ings follow		ft. abo	ove ground open	1" above	<u>e</u> g
	AREA						
RONGEL	AP ISLAND	landing in front of intertidal area	village	.04	.04	.04	
11		landing in front of above high tide line	village	.06	.10	.08	
11	11	60 paces from lagoon		n .08	0.3	.08	0
***	71	school house - hosp:	Ital area	.07	0.3	.10	
1;	11	" " papaya clusample All & 12)		.09	0.5	0.4	1
	001 11 11 1	well behind schoolhou	se,	3.11	A_B		<del>-</del> 0

LY LOG

## UNIVERSITY OF WASHINGTON

## Applied Fisheries Laboratory SEATTLE, WASHINGTON

	Date	Nov. 7	con't	(Mon.)	
Locality		ther			
Personnel		er conditions			
	ap Island Survey Meter Rea	dings con 3' above closed	tinued ground open	1" above closed	ground open
Heading south )	Village center - concre	te	0.2		
along path	" "concrete gr	grass .07	0.3	0.09	0.4
	" + 100 paces gras	8		0.15	0.9
near lagoon	n n grav	1	0.6	0.10	0.4
side of	+ 75 "				
island	at church gras		.25	.06 <del>.07</del>	0.35 
General			3.0	·	
direction	+ 70 paces, inside h	106 0.4			
N S	d " " " " " " " " " " " " " " " " " " "	at coff		1.0	7.0 4.0
	) " " outside of	4			9.0
	+ 200 " pandanus gro	ve 0.4	3.5	1.2 0.5	8.0 2.0
	+ 350 " mostly grass		3.0	0.6	5.0
	, 50 paces from junction		\ 	~ ~~	
Path from	N-S path - well - grass + 100 paces, open grass	0,09 0.3	2.0	0.06 0.5	. 0.3 3.5
lagoon to	+ 100 " Sida bushes	0.3	3.0	0.9	5.0
ocean side	(+ 110 " open grass	0.4	3.0	1.2	7.0
starting	) 100 " moss and sand w				
from	+ 100 " grass and sand u	0.4	3.0	0.7	6.0
lagoon	+ 100 " under Guettarda, dead leaves	0.15	1.5	0.4	1.0
side	\				
General	+ 55 " ocean side - abo high tide line - leaves sand		1.0	0.3	3.0
direction	leaves sand  ocean side- intert	0.12	1.0		٠,٠٠
E - W	) area sand and bea	Tua T			0.03

### VIVERSITY OF WASHINGTON

## Applied Fisheries Laboratory SEATTLE, WASHINGTON

ILY LOG

Locality		DateNo	ov. 7	Con't.	(Mon.)	
	vel(s)					
Operations:	Rongelap Island Survey Meter	२ ।		nued ground	1" abov	re gr
		Close	ed	open	closed	<u>!</u> o
				A 7	0.05	
<del></del>	school house, inside school house table	0.09		0.7	0.2	0.4
	hospital, inside	0.11		0.9	0.12	_0.9
	hospital mattress				0.06	0.5
500	2 6 4 6					

## IVERSITY OF WASHINGTON Applied Fisheries Laboratory SEATTLE, WASHINGTON

#### ILY LOG

Lo	cality				Date	Nov.	7, 195	5 (Mon.	) Con	t
Pe	rsonne	1			Weath	er				<del></del>
					Water	conditio	ns	·		·············
R	diation	n level(s)	Ţ	ABAREDJ SURVEY METE	R READING	18				
	peratio					3	ft. ab	ove grou	nd 1	" above ground
			AREA			C1	osed	open	clos	sed open
		boat	lan	ding, south end, in	tertidal and		0.04	0.06	0.06	0.10
			11	" " above tide, pavement	high		0.7	5.0	1.3	8.0
0 p	aces	N of	boa	t landing, lagoon si dead leaves	lde				4.0	off scale
	11	11 11		" lagoon side grav			1.1	8.0	3.0	15.0
+		paces			/el	l	0.6	4.0	1.4	7.0
n 1				line, 40 paces East	,					
plu				gravel open area			2.5 0.9.	16.0 6.0	-	off scale
11	45	17	11	under Messerschmidi	.a		1.0	5.0	1.5	11.0
'1	50	††	11	open sand		(	0.9	8.0	3.0	off scal
"	50	11	1)	high tide line, oce	an side		_			
"	40	t†		sand & gravel Intertidal ocean si			0.6 0.09	3.0 0.4	0.8 0.14	4.0 0.6
** 	10	11	17	" " " " " " " " " " " " " " " " " " "		<del>-</del>	0.03	0.07	0.04	0.15
hei	n bi	p of	Ts1a	and - intertidal are	a		0,05	0.15	0.07	0.4
	· · · · · · · · · · · · · · · · · · ·	1		' above high tid	e	(	0.6	4.0	0.8	6.0
nui	gro	ve ne	ar 1	l end under coconut	frond	5 1	.0	5.0	0.8	4.0
11 -	1†	ŧţ.	11	" allong arrowroo	beneath		1	8.0	3.0	12.0
,	11	11	11	bottom of Rhinehar	t "hole"		4			
				an	out 12"			<del></del>	0.5	3.5

### DAILY LOG

### VIVERSITY OF WASHINGTON



#### APPLIED FISHERIES LABORATORY SEATTLE, WASHINGTON

Locality	_ Date_N	ov. 7, 1955	(Mon.)	Con·t	
Personnel	_ Weather				
	Water o	onditions			
Radiation level(s) LABAREDJ SURVEY METER RI	EADINGS				
Operations:	•	3 ft. above closed			ove gred
nont of Taland amidam trace doubles	ves st			<u></u>	
part of Island, under tree, dead lead site of soil sample A 7 & 8	ves, au	0.9	6.0	1.5	12.0
part of Island 10 paces west, open, of soil sample A 5 & 6	site	0.8	6.0	3.5	18_+
amed island just south of Labaredj (: t yellow stake, open beach, above hi	100 yds	)			
ideline, sand & gravel		0.9	6.0	1.1	6.0
					<del> </del>
		•			:
					<del></del>
	·				·
	,				
					·
				·	

# IVERSITY OF WASHINGTON ATE. Applied Fisheries Laboratory SEATTLE, WASHINGTON

LY LOG

Da!				Date		1955 (Mon.		
Personnel				Weather Con				
Radiation le	vel(s)							
				ing values				
values I	have seve	eral limit	ations an	d the resu	lts sho	ould be in	terpr	eted in the
open to	question	n. The pr	incipal l	exactly wh	is the	variabili1	ty of	readings
								ng surveyed
1.e., g	rass, sai	nd, gravel	, dead le	aves, unde	r tree!	s, open, e	fore a	nd after
				calibrate be less t			.Ore a	
et Rong	alan ta						18 m la	- 7 10EE
								er 7, 1955
			n	Rongelap	n	Labaredj		
Area	н	e1ght	n	Rongelap 0.04	<u>n</u> 4	Labaredj 0.05		
Area	н	e1ght	n	Rongelap 0.04 0.04	11 4 4	Labaredj 0.05 0.17	n	Kabelle
Area	н	eight closed	n 2	Rongelap 0.04	<u>n</u> 4	Labaredj 0.05	n 1	Kabelle 0.1
Area	H 3 feet	eight closed open	n 2 2	Rongelap 0.04 0.04	11 4 4	Labaredj 0.05 0.17	n	Kabelle
Area beach island	H 3 feet	eight closed open closed	n 2 2 2	Rongelap 0.04 0.04 0.04	14 14 14	Labaredj 0.05 0.17 0.08	n 1	Kabelle 0.1
Area beach island proper	H 3 feet 1 inch	eight closed open closed open	n 2 2 2	Rongelap 0.04 0.04 0.04 0.04	14 4 4 4 4	Labaredj 0.05 0.17 0.08 0.31	n 1	Kabelle 0.1
Area beach island proper above high	H 3 feet 1 inch	eight closed open closed open closed	n 2 2 2 2	Rongelap 0.04 0.04 0.04 0.04	14 4 4 4 4 14	Labaredj 0.05 0.17 0.08 0.31	n 1	Kabelle 0.1
heach  island proper above	3 feet 1 inch 3 feet	eight closed open closed open closed open	n 2 2 2 21 21	Rongelap 0.04 0.04 0.04 0.04 0.02	14 4 4 4 14 14	Labaredj 0.05 0.17 0.08 0.31 1.0 6.4	1 1	0.1 0.4
island proper above high tide	3 feet 1 inch 3 feet	eight closed open closed open closed open closed	n 2 2 2 21 21 30	Rongelap 0.04 0.04 0.04 0.04 0.2 1.3 0.4	14 4 4 4 14 14 21	Labaredj 0.05 0.17 0.08 0.31 1.0 6.4 2.1	1 1	0.1 0.4